

IN THE CLAIM

Please amend claim 1 and add claims 25 through 30 to read as follows.

1 1. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 said *Alu* element subfamily being more enriched in the human genome than in any non-human
6 primate ~~genom~~ genome, the amplification being intra-*Alu* polymerase chain reaction
7 amplification; and
8 measuring the amount of the human DNA by comparing the amplified DNA with a
9 reference to quantitate the human DNA in the sample.

1 2. (Canceled)

1 3. (Canceled)

1 4. (Canceled)

1 5. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' CGAGGCGGGTGGATCATGAGGT 3'(SEQ ID NO: 3)

4 and

5 5' TCTGTCGCCCAGGCCGGACT 3' (SEQ ID NO: 4).

1 6. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' GAGATCGAGACCACGGTGAAA 3' (SEQ ID NO: 5)

4 and

5 5' TTTGAGACGGAGTCTCGTT 3' (SEQ ID NO: 6).

1 7. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA on an agarose gel stained with
3 ethidium bromide.

1 8. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using a qPCR system.

1 9. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using *TaqMan* chemistry.

1 Claims 10-20. (Canceled)

1 21. (Previously Presented) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA containing an *Alu* element by using primers,
5 said *Alu* element being present only in the human genome, the amplification being intra-*Alu*
6 polymerase chain reaction amplification; and

7 measuring the amount of the human DNA by comparing the amplified DNA with a
8 reference.

1 22. (Previously Presented) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 said predetermined genomic DNA including subfamily-specific diagnostic mutations, a copy
6 number of said predetermined genomic DNA in the human genome being higher than a copy
7 number of said predetermined genomic DNA in any non-human primate genome, the
8 amplification being intra-*Alu* polymerase chain reaction amplification; and

9 measuring the amount of the human DNA by comparing the amplified DNA with a
10 reference.

1 23. (Previously Presented) The process of claim 1, wherein each of said primers includes
2 a subfamily-specific diagnostic mutation.

1 24. (Previously Presented) The process of claim 21, wherein each of said primers
2 includes a subfamily-specific diagnostic mutation.

1 25. (New) The process of claim 1, wherein said Alu element subfamily is Yb8 subfamily.

1 26. (New) The process of claim 1, wherein said Alu element subfamily is Ya5 subfamily.

1 27. (New) The process of claim 1, wherein said Alu element subfamily is Yd6 subfamily.

1 28. (New) The process of claim 22, wherein said Alu element subfamily is Yb8
2 subfamily.

1 29. (New) The process of claim 22, wherein said Alu element subfamily is Ya5
2 subfamily.

1 30. (New) The process of claim 22, wherein said Alu element subfamily is Yd6
2 subfamily.